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INTERNATIONAL SEARCH REPORT

Interplonal Application No PCT/US2004/040087

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER C10G17/10 C10G21/28								
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC							
B. FIELDS SEARCHED									
Minimum do IPC 7	ocumentation searched (classification system followed by classification ${\tt C10G}$	on symbols)							
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields s	earched						
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used	1)						
EPO-In	ternal, WPI Data, PAJ								
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.						
Υ .	US 4 159 940 A (SMITH ET AL) 3 July 1979 (1979-07-03) claim 1; figures 1,2		1-14						
Y	EP 0 143 129 A (EXXON RESEARCH AN ENGINEERING COMPANY) 5 June 1985 (1985-06-05) claims 1,2; figure 1	ND	1-14						
A	US 4 960 507 A (EVANS ET AL) 2 October 1990 (1990-10-02) claims 1,4		1-14						
A	EP 0 376 637 A (EXXON RESEARCH AN ENGINEERING COMPANY) 4 July 1990 (1990-07-04) page 11, line 16 - line 44 	ND ,	1-14						
Furti	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.						
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed		'T' later document published after the International filing date or priority date and not in conflict with the application but died to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family							
Date of the actual completion of the international search 25 February 2005		Date of mailing of the international search report 04/03/2005							
Name and r	nailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk	Authorized officer							
J	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Deurinck, P							

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International Application No PCT/US2004/040087

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US 4159940	A	03-07-1979	NONE		
EP 0143129	Α	05-06-1985	EP	0143129 A1	05-06-1985
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